

In re Appln. of Arora et al.
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In the Specification:

On page 16, please amend the paragraph starting in line 9 as follows:

FIG. 5 is a diagram 500 showing how one embodiment addresses an object 502 in two different ways. The object 502 can be one of the device objects 326 of FIG. 4, or one of the computation objects 406 of FIG. 4. The object 502 has one or more synchronous addresses 504, and one or more asynchronous addresses 506. The synchronous addresses 504 can include an address in the form of a marshaled distributed-object interface pointer, or another type of reference that enables real-time communication with the object 502. The asynchronous addresses 506 can be in the form of a queue name, a marshaled handle to a queue, or other address. The asynchronous addresses 506 are used to asynchronously communicate with the object 502 when it is temporarily unavailable or too busy, or when synchronous communication is otherwise not desired.

On page 18, please amend the paragraph starting on line 3 as follows:

The device heartbeats 610 and the sensor heartbeats 612 are received by the SSS 316 through the ABLS 322, while the object heartbeats 614 are received by the SSS 316 through the NBLS 320. The SSS 316 directly receives the daemon heartbeats 616. When an entity does not send a heartbeat as required by its refresh rate, the entity ultimately times out and is removed from the ABLS 322 and the NBLS 320. An entity in this context refers to a device, sensor, object, or daemon.

In the Claims:

Please cancel claims 1-10, amend claims 11-15, and add claims 16-17 as follows:

11. (Amended) An architecture for an automation system, the automation system used to remotely control and monitor power consuming devices drawing power from a power line in a building, the architecture comprising:

a look-up service maintaining a database of (1) the power consuming devices including their attributes of device type and physical location, and (2) device objects